



Future Combat Systems Program Update

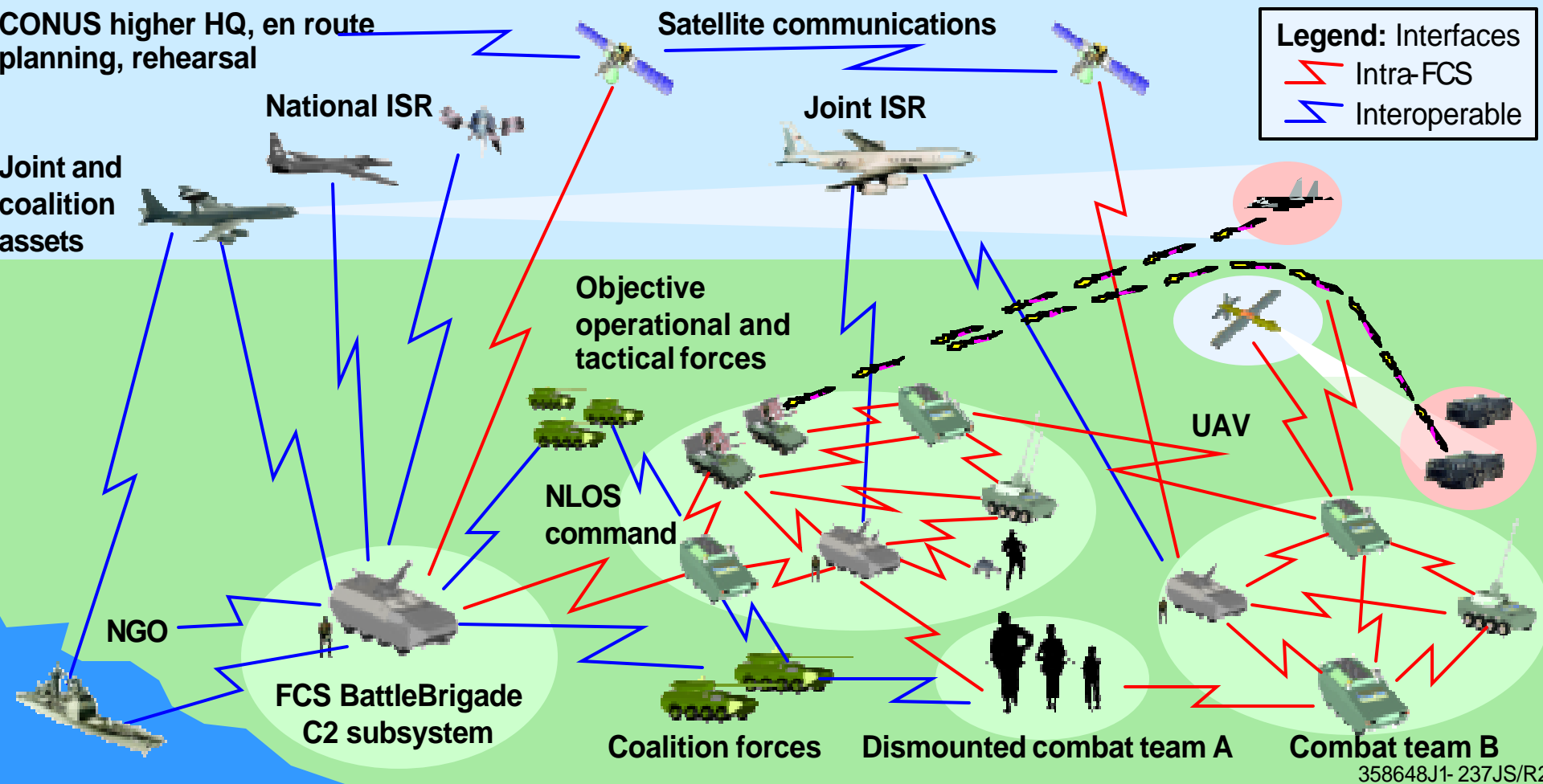
*National Defense Industry Association
Ft Knox, KY*

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Project Manager, Objective Force**

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SYSTEM OF SYSTEMS



Lead Systems Integrator : The Boeing Company/Science Applications International Corporation (SAIC)



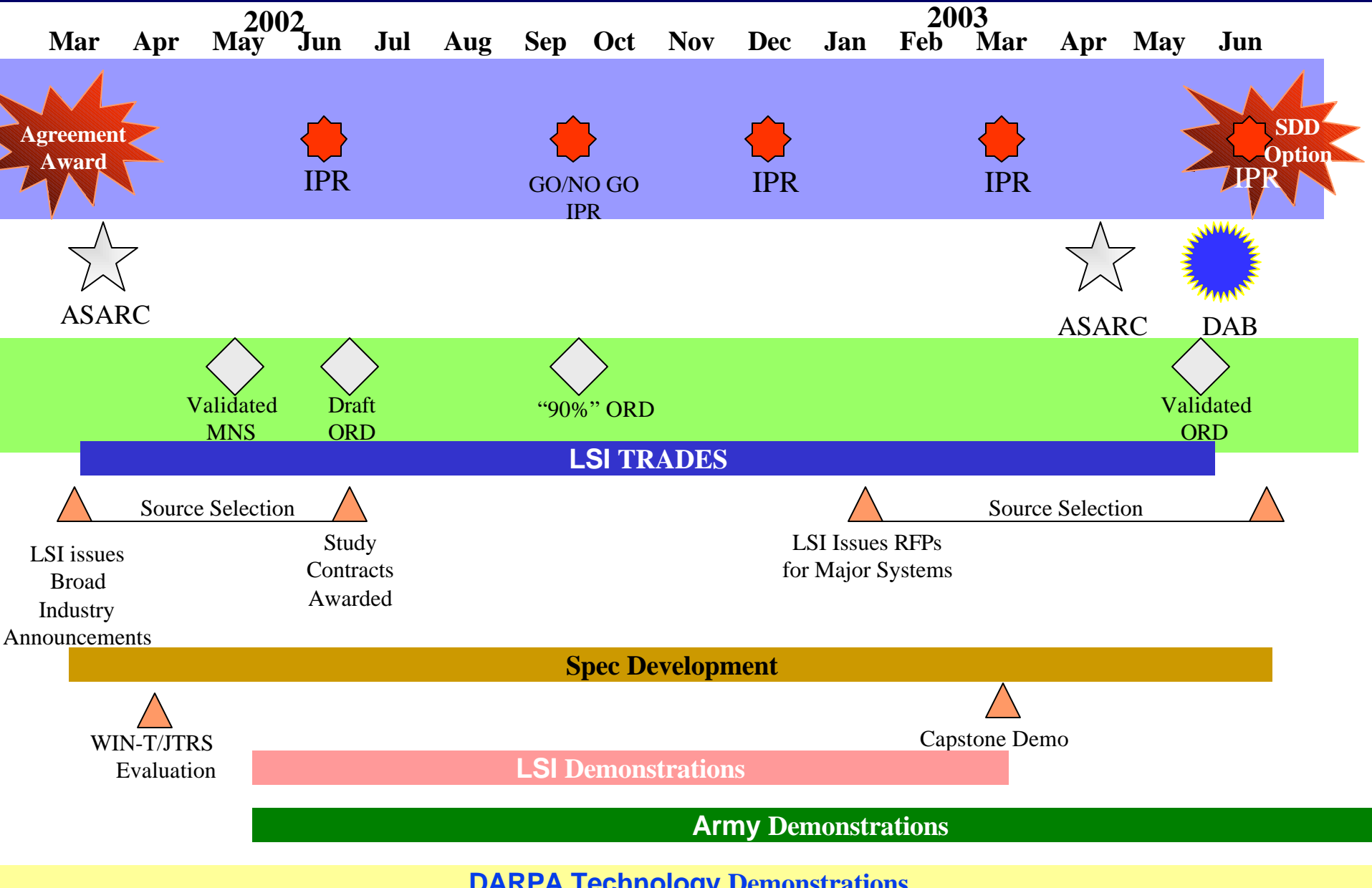
Future Combat Systems LSI Task and Purpose



- **Total Systems Integration Responsibility**
- **Support to Requirements Development and Documentation**
- **System of Systems Architecture Development & Management**
- **Competition and Source Selection**
- **Performance Specs, ICDs, & Interoperability Requirements**
- **Advanced Collaborative Environment**
- **Concept and Technology Demonstrations**
- **Technology Assessment, Transition and Investment**
- **Readiness to Enter SDD**
- **Life Cycle M&S and Software Management**
- **IPPD & Risk Management**
- **Integrated Master Plan, & Schedule**



Future Combat Systems CTD Schedule

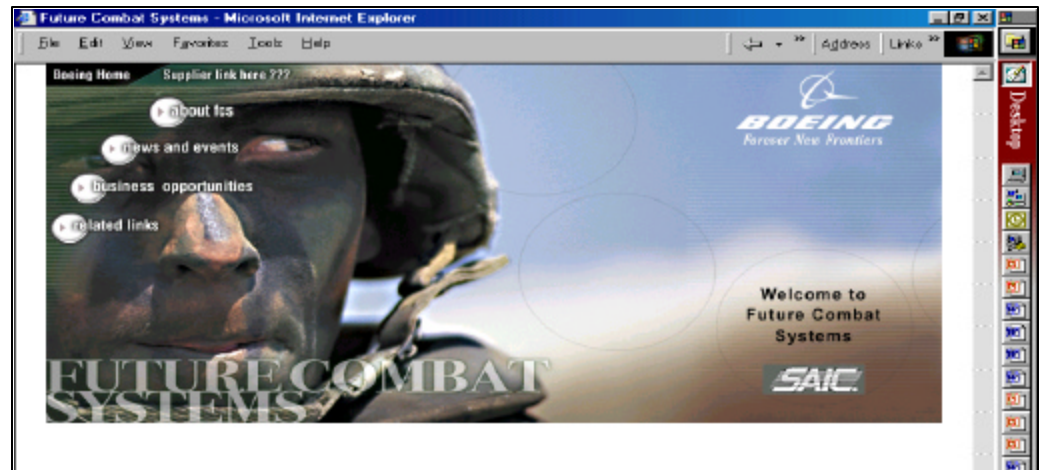




BIA Process



- **Broad Industry Announcements (BIA) brings best of industry together**
- **\$50M allocated to BIA industry partners**
 - Combat Systems
 - C4ISR Systems
- **Industry release in March for key technology and trades**





Key Enabling Capabilities Chosen for Early Enhancement



Platform Attribute Evaluation

Hybrid Electric vs. Mechanical Drive;
Wheels vs. Track;
Reusable Software

Platform Survivability

Passive; Active; Jamming;
Signature Management;
Reusable Software

Unmanned Combat

Autonomy; HMI
Prognostics/Diagnostics

Scalable Mobile Networking

Mobile Comms; Comm. Architecture;
Comm. Protocols; Comm. Resource
Mgmt; Comm. Assurance

Synchronized Collaborative C2

Data Fusion; Advanced HMI; C2
Architecture;
Weapon Target Pairing; Collaboration;
Resource Allocation; Decision Aids

Distributed Information Mgt

Infosphere design; Info architecture; Info
management; ORB; Database schema;
Interoperability

Tactical Information Assurance

Dynamic Coalitions; Fault Tolerant
Networks
Info Assurance; MLS; Secure Network;
Intrusion Detection; IA Access Control



Capstone Demo Provides Confidence and Shows Operational Effectiveness

